

General

Title

Pulmonary resection: percentage of patients undergoing pulmonary resection who are smoking at the time of or have quit within 30 days of pulmonary resection who have documentation that smoking cessation consultation was offered.

Source(s)

Cassivi SD, Allen MS, Vanderwaerdt GD, Ewoldt LL, Cordes ME, Wigle DA, Nichols FC, Pairolero PC, Deschamps C. Patient-centered quality indicators for pulmonary resection. *Ann Thorac Surg.* 2008 Sep;86(3):927-32. [40 references] [PubMed](#)

Measure Domain

Primary Measure Domain

Clinical Quality Measures: Process

Secondary Measure Domain

Does not apply to this measure

Brief Abstract

Description

This measure is used to assess the percentage of patients undergoing pulmonary resection who are smoking at the time of or have quit within 30 days of pulmonary resection who have documentation that smoking cessation consultation was offered.

Rationale

More than 30,000 patients undergo pulmonary resection (not including diagnostic lung biopsies) each year in the United States (Memtsoudis et al., 2006). Despite this large number of surgical procedures, there remain to date no standard criteria to measure the quality of care received by patients undergoing pulmonary resection. The general thoracic surgical team developed an a priori set of patient-centered quality of care measures, specific to patients undergoing pulmonary resection.

Smoking has been shown to be a significant independent prognostic factor for long-term survival in patients diagnosed with lung cancer (Sardari Nia et al., 2005). It is therefore incumbent on those treating these patients to not only counsel patients on smoking cessation but also provide the necessary support and resources for them to achieve smoking cessation. Assistance through a formal smoking cessation program is known to be the most effective approach ("A clinical," 2000).

Evidence for Rationale

A clinical practice guideline for treating tobacco use and dependence: A US Public Health Service report. The Tobacco Use and Dependence Clinical Practice Guideline Panel, Staff, and Consortium Representatives. JAMA. 2000 Jun 28;283(24):3244-54. [43 references] [PubMed](#)

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Memtsoudis SG, Besculides MC, Zellos L, Patil N, Rogers SO. Trends in lung surgery: United States 1988 to 2002. Chest. 2006 Nov;130(5):1462-70. [PubMed](#)

Sardari Nia P, Weyler J, Colpaert C, Vermeulen P, Van Marck E, Van Schil P. Prognostic value of smoking status in operated non-small cell lung cancer. Lung Cancer. 2005 Mar;47(3):351-9. [PubMed](#)

Primary Health Components

Pulmonary resection; smoking cessation

Denominator Description

All patients undergoing pulmonary resection who are smoking at the time of or have quit within 30 days of pulmonary resection (see the related "Denominator Inclusions/Exclusions" field)

Numerator Description

Documentation of smoking cessation consultation offered (see the related "Numerator Inclusions/Exclusions" field)

Evidence Supporting the Measure

Type of Evidence Supporting the Criterion of Quality for the Measure

A formal consensus procedure, involving experts in relevant clinical, methodological, public health and organizational sciences

One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

Additional Information Supporting Need for the Measure

Unspecified

Extent of Measure Testing

Unspecified

State of Use of the Measure

State of Use

Current routine use

Current Use

not defined yet

Application of the Measure in its Current Use

Measurement Setting

Hospital Inpatient

Professionals Involved in Delivery of Health Services

not defined yet

Least Aggregated Level of Services Delivery Addressed

Single Health Care Delivery or Public Health Organizations

Statement of Acceptable Minimum Sample Size

Unspecified

Target Population Age

All ages

Target Population Gender

Either male or female

National Strategy for Quality Improvement in Health Care

National Quality Strategy Aim

Better Care

National Quality Strategy Priority

Person- and Family-centered Care

Prevention and Treatment of Leading Causes of Mortality

Institute of Medicine (IOM) National Health Care Quality Report Categories

IOM Care Need

Living with Illness

IOM Domain

Effectiveness

Patient-centeredness

Data Collection for the Measure

Case Finding Period

January through December

Denominator Sampling Frame

Patients associated with provider

Denominator (Index) Event or Characteristic

Clinical Condition

Diagnostic Evaluation

Therapeutic Intervention

Denominator Time Window

not defined yet

Denominator Inclusions/Exclusions

Inclusions

All patients undergoing pulmonary resection who are smoking at the time of or have quit within 30 days of pulmonary resection

This includes all patients undergoing pneumonectomy, lobectomy, segmentectomy, sleeve resection, and wedge resection, as well as thoracoscopic or open lung biopsy.

Note: Patients are considered current smokers if they are smoking up to the time of operation or indicate that they quit within 30 days before the operation.

Exclusions

Unspecified

Exclusions/Exceptions

not defined yet

Numerator Inclusions/Exclusions

Inclusions

Documentation of smoking cessation consultation offered

Note: Documentation is reviewed to evaluate whether current smokers were offered consultation with a specialized smoking cessation program.

Exclusions

Unspecified

Numerator Search Strategy

Institutionalization

Data Source

Electronic health/medical record

Paper medical record

Type of Health State

Does not apply to this measure

Instruments Used and/or Associated with the Measure

Unspecified

Computation of the Measure

Measure Specifies Disaggregation

Does not apply to this measure

Scoring

Rate/Proportion

Interpretation of Score

Desired value is a higher score

Allowance for Patient or Population Factors

not defined yet

Standard of Comparison

not defined yet

Identifying Information

Original Title

Smoking cessation.

Measure Collection Name

Patient-Centered Quality Indicators for Pulmonary Resection

Submitter

Division of General Thoracic Surgery, Mayo Clinic - Nonprofit Research Organization

Developer

Division of General Thoracic Surgery, Mayo Clinic - Nonprofit Research Organization

Funding Source(s)

Unspecified

Composition of the Group that Developed the Measure

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Financial Disclosures/Other Potential Conflicts of Interest

Unspecified

Adaptation

This measure was not adapted from another source.

Date of Most Current Version in NQMC

2008 Apr

Measure Maintenance

Unspecified

Date of Next Anticipated Revision

Unspecified

Measure Status

This is the current release of the measure.

Measure Availability

Source available from the [Annals of Thoracic Surgery Web site](#) .

For more information, contact Dr. Stephen Cassivi at the Mayo Clinic, 200 First St. SW, Rochester, MN, 55905; E-mail: cassivi.stephen@mayo.edu.

NQMC Status

This NQMC summary was completed by ECRI Institute on January 10, 2017. The information was not verified by the measure developer.

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Production

Source(s)

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